



Trinity College Dublin
COLUMBIA UNIVERSITY



Dual Engineering Masters Pathway Programme between

Trinity College Dublin and Columbia University





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COLUMBIA UNIVERSITY



ABOUT THE PROGRAMME

Trinity College Dublin and Columbia University, New York are delighted to offer a dual Engineering masters pathway programme leading to the award of a professionally-accredited MAI degree by Trinity Engineering and an Master of Science (MS) degree by Columbia University. As part of this dual degree programme, students will complete the first four years of the five-year Integrated Engineering or Engineering with Management (MAI) programmes in Trinity, followed by a year at Columbia University during which they will complete one of several existing Master of Sciences (MS) courses.

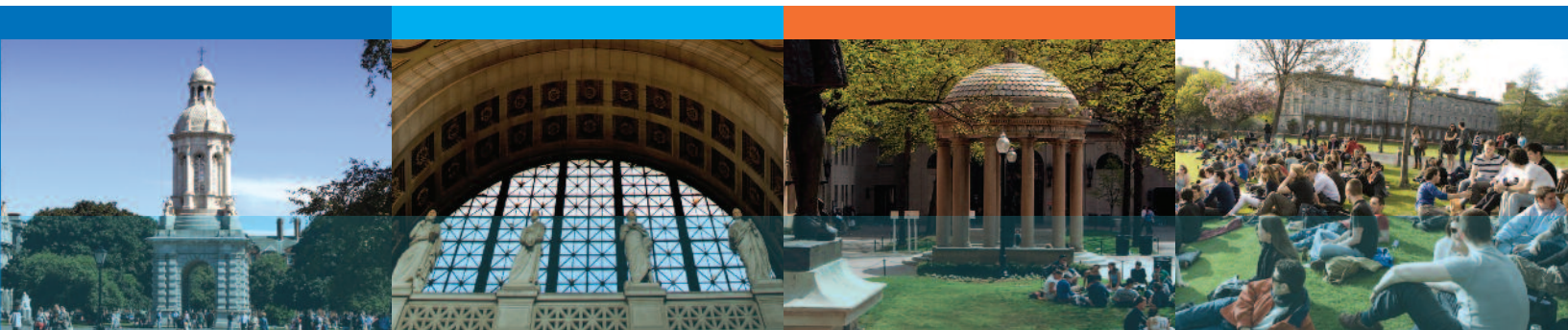


Eligible programmes:

Columbia Engineering MS Course

- Civil Engineering
- Mechanical Engineering
- Biomedical Engineering
- Electrical Engineering
- Computer Engineering
- Operations Research
- Earth and Environmental Engineering

**DUAL ENGINEERING
MASTERS PATHWAY
PROGRAMME**





ABOUT THE PROGRAMME

Application Process:

Students will be required to have achieved an annual average mark of at least 60% (equivalent to a GPA of 3.2) in Year 3 (for approval of their application) and in Year 4 (for admission to Columbia University).

| Step | Timeline | Responsible Party |
|---|--|-------------------------------|
| 1. Students submit an expression of interest to the Trinity School of Engineering for approval | October 15th in Year 4 | Trinity School of Engineering |
| 2. Approved students will submit an application for admission directly to Columbia University, including all required documents for consideration and following the appropriate admissions procedures, as outlined by Columbia University | February 15th in Year 4 (Columbia Priority Deadline) | Trinity students |
| 3. Columbia University will evaluate each application and eligible students will receive an acceptance pending their final Year 4 exam results | March / April in Year 4 | Columbia University |
| 4. Final Year 4 exam results will be submitted to Columbia University for verification | June 30th following completion of Year 4 | Trinity School of Engineering |
| 5. Final Columbia University results reported back to Trinity for conferring of MAI degree | Upon completion of MS course at Columbia University | Columbia University |

While at Columbia University, students will start working on their dissertation (they will complete it once they return to Trinity) (30 ECTS) for Trinity in Year 5. They also complete 30 Columbia University Credits (approx. 60 ECTS) for Columbia University.





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SCHOOL OF ENGINEERING AT COLUMBIA UNIVERSITY

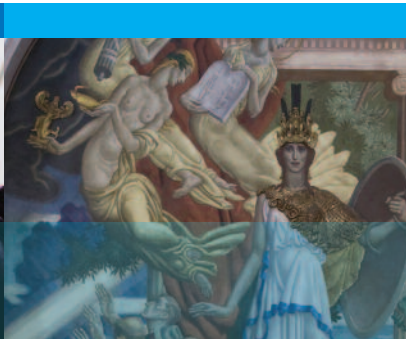
Transcending Disciplines, Educating Leaders, Transforming Lives

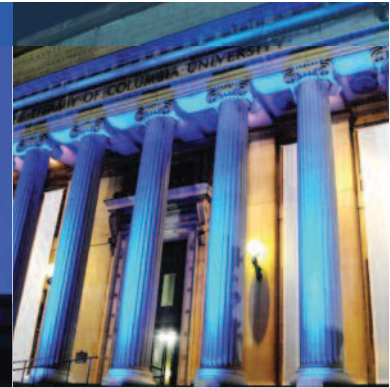
Columbia University is committed to pushing the frontiers of knowledge and translating our discoveries to meet the needs of society. These aspirations have been fundamental since our early origins in 1864 as a school devoted to metallurgy and mining. Over the years, our faculty and students have made remarkable contributions to technological and social progress, and today, we carry on our tradition of innovation as engineering transforms nearly every aspect of life, from the purity of the water we drink, the quality and accessibility of our healthcare, and the sustainability of the natural and built environments, to our ability to connect with others anywhere in the world.

Attracting the greatest minds in engineering and applied science, of diverse backgrounds from across the country and around the world, has always been part of our DNA and a key to our success. Our faculty represents leading experts in their fields who are dedicated to teaching, to pushing research frontiers, and to increasing interdisciplinary collaborations across the School, the University, and with external partners. We offer students a unique educational opportunity providing a foundational education in engineering and applied science in the depth and breadth of a premier Ivy League university centered in New York City – a cultural and financial hub that is fast becoming a world-renowned center for high-tech research and development. We believe that engineering is in a renaissance, and that the time is now for engineering to step forward as a force for the future to create a sustainable, healthy, connected, secure, and creative humanity.



ENABLING YOU TO
CONNECT WITH OTHERS
ANYWHERE IN THE
WORLD





AT A GLANCE - COLUMBIA UNIVERSITY

Ranking

- #1 graduate engineering school in the Ivy League
- #11 in graduate engineering programmes nationwide
- #1 in online graduate engineering degree programmes
- #3 university for undergraduates
(U.S. News & World Report)

Industry engagement

- Research sponsors > 60 companies
- Affiliates > 20 industry members
- Student internships and projects

Entrepreneurship and innovation

- Venture competitions, workshops, incubators
- 30+ startups launched in last 5 years

9 departments:

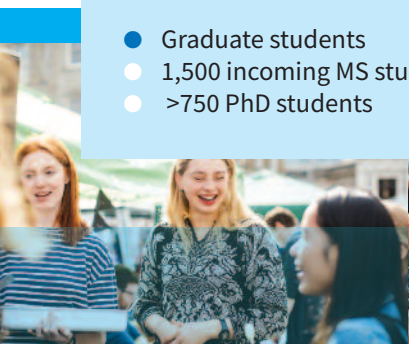
- Applied Physics and Applied Mathematics - Biomedical Engineering - Chemical Engineering
- Civil Engineering and Engineering Mechanics - Computer Science - Earth and Environmental Engineering - Electrical Engineering - Industrial Engineering and Operations Research - Mechanical Engineering
- Joint programmes with Medicine, Science, Policy, Statistics, Journalism, and Business
- Cross-disciplinary research: Data Science Institute, The Earth Institute, Columbia Nano Initiative, Precision Medicine Initiative, Zuckerman Mind Brain Behavior Institute

Faculty

- 230 faculty members
- 100+ hired in last 6 years
- 30 National Academy of Engineering, Science, Medicine, Inventors, and American Academy of Arts and Sciences members
- 27 NSF CAREER Awards in past 5 years

Students

- Graduate students
- 1,500 incoming MS students
- >750 PhD students





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PROGRAMME BENEFITS

The Master of Science Programmes

Columbia's programmes of study combine the best in engineering research and scholarship with collaborative study and opportunities across disciplines. Whatever discipline you choose, you will be able to develop your research skills and enhance your career.

The broad range of Master's programmes offers you many ways to further your academic and professional goals.

Faster Track to Earning Your Master of Science

You can earn your Columbia Engineering master's degree quickly: full-time students can complete the programme in just three semesters.

Obtain a Great Job and Launch Your Career

The Graduate Career Placement Team is dedicated to coaching you in the job search process. The Professional Development and Leadership course offers special workshops, labs, competitions, and courses that build your professional skills, your network, and your confidence.

Live and Learn in NYC

You'll live and work in the center of finance, arts, media, and research.

Your Programme of Study

Get an in-depth look at the Master of science programme of study you are most interested in, including student insight, research opportunities, and faculty collaboration.



FOR MORE INFORMATION
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